

REMOVE AND REPLACE EXISTING LIGHT FIXTURES						
POLE	LOCATOR	HEIGHT	CIRCUIT	NUMBER OF LUMINAIRES	WATTS	DESCRIPTION
58 LC3-C	"A" 1412+20.00, 0.00' LT EXISTING	70'	LC3-C	1	290	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE II, LOW BEAM ANGLE
			LC3-C	1		
59 LC3-C	"A" 1414+80.00, 0.00' LT EXISTING	70'	LC3-C	1	290	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE II, LOW BEAM ANGLE
			LC3-C	1		
60 LC3-A	"A" 1418+50.00, 0.00' LT EXISTING	100'	LC3-A	1	290	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE II, LOW BEAM ANGLE
			LC3-A	1		
61 LC3-A	"A" 1422+50.00, 0.00' LT EXISTING	100'	LC3-A	1	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF ENCLOSED LED, TYPE V, LOW BEAM ANGLE
			LC3-A	1		
62 LC3-A	"A" 1426+50.00, 0.00' LT EXISTING	100'	LC3-A	3	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE V, LOW BEAM ANGLE
			LC3-A	3		
63 LC3-A	"A" 1431+50.00, 183.00' LT EXISTING	100'	LC3-A	3	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE V, LOW BEAM ANGLE
			LC3-A	3		
64 LC3-A	"A" 1431+91.79, 178.16' RT EXISTING	100'	LC3-A	3	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE V, LOW BEAM ANGLE
			LC3-A	3		
65 LC3-B	"A" 1436+50.08, 212.79' LT EXISTING	100'	LC3-B	3	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE V, LOW BEAM ANGLE
			LC3-B	3		
66 LC3-B	"A" 1437+00.00, 183.00' RT EXISTING	100'	LC3-B	3	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE V, LOW BEAM ANGLE
			LC3-B	3		
67 LC3-B	"A" 1442+00.00 EXISTING	100'	LC3-B	3	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE V, LOW BEAM ANGLE
			LC3-B	3		
68 LC3-B	"A" 1446+00.00 EXISTING	100'	LC3-B	1	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF ENCLOSED LED, TYPE V, LOW BEAM ANGLE
			LC3-B	1		
69 LC3-B	"A" 1450+00.00 EXISTING	100'	LC3-B	1	560	REMOVE EXISTING LIGHT FIXTURE. INSTALL HIGH MAST CUTOFF OPEN LED, TYPE II, LOW BEAM ANGLE
			LC3-B	1		

NOTE: INFORMATION ON EXISTING HIGH MAST LIGHTING WERE TAKEN FROM AS-BUILT PLANS AND CONSTRUCTION SUBMITTALS FROM THE NORTH 5TH STREET INTERCHANGE IMPROVEMENTS, CONTRACTOR SHALL VERIFY CIRCUITS AND LUMINAIRE WATTAGE PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE REPLACEMENT LED LIGHT FIXTURES WILL BE COMPATIBLE WITH THE EXISTING HOLOPHANE TYPE 7 (SYSTEM) HEADFRAME AND RING ASSEMBLY AS PART OF "REMOVE AND REPLACE HIGH MAST HPS LIGHTS" PAY ITEM OR PROVIDE AN ALTERNATIVE LED ACCEPTABLE TO THE ENGINEER WITH HEADFRAME AND RING ASSEMBLY AT NO ADDITIONAL COST TO THE OWNER.

REPLACEMENT HIGH MAST LIGHTING SUMMARY			
SYMBOL	LUMINAIRES	DESCRIPTION AND REMARKS	VOLTS
	36	HIGH MAST CUTOFF OPEN, 560 WATT, LED TYPE V, SYMMETRIC, LOW BEAM ANGLE	240
	2	HIGH MAST CUTOFF OPEN, 560 WATT, LED TYPE II, WIDE ASYMMETRIC, LOW BEAM ANGLE	240
	2	HIGH MAST CUTOFF ENCLOSED, 560 WATT, LED TYPE V, SYMMETRIC, LOW BEAM ANGLE	240
	6	HIGH MAST CUTOFF OPEN, 290 WATT, LED TYPE II, WIDE ASYMMETRIC, HIGH BEAM ANGLE	240

### HIGH MAST LIGHTING NOTES

- EACH POLE SHALL BE EQUIPPED WITH A LOWER LATCHING AND LOCKING INTERNAL LOWERING DEVICE WITHIN THE POLE THAT ALLOWS THE LUMINAIRE RING TO BE RAISED AND LOWERED. CONTRACTOR SHALL VERIFY COMPATIBILITY BETWEEN FIXTURES AND RETRIEVAL SYSTEM.
- POLE LOCATIONS SHOWN ARE CONSIDERED NOT TO BE FINAL. SMALL ADJUSTMENTS MAY BE REQUIRED BY THE ENGINEER TO AVOID CONFLICTS WITH OTHER INSTALLATIONS.
- POLE HAND HOLES (TWO PER HOLE) ARE TO BE ORIENTED TO ACCOMMODATE LUMINAIRE LOWERING DEVICE AND SHALL BE ORIENTED TOWARD TRAFFIC LANES.
- EACH POLE SHALL BE INDIVIDUALLY GROUNDED, THEN BONDED TO GROUNDING CONDUCTOR BY AN APPROVED METHOD.
- ALL LUMINAIRES SHALL BE CONTROLLED BY A SINGLE PHOTOELECTRIC CELL AT THE LIGHTING CONTROL CABINET.
- WIRING TO HIGH MAST LUMINAIRES SHALL BE AWG COPPER.
- NOT USED
- FOUNDATIONS FOR HIGH MAST LIGHTING POLES SHALL BE DESIGNED BY THE CONTRACTOR. EACH POLE AND FOUNDATION SHALL BE SPECIFICALLY DESIGNED FOR THE INTENDED LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE POLE AND FOUNDATION.
- A PULL BOX OR JUNCTION BOX (SIZE AS INDICATED ON PLAN AND IN CONDUIT AND WIRE SCHEDULE). SHALL BE INSTALLED AT EACH HIGH MAST LIGHTING POLE.
- CONTRACTOR SHALL SUPPLY A 12-INCH GLARE SHIELD FOR EACH LUMINAIRE. CONTRACTOR SHALL INSTALL SHIELDS AS DIRECTED BY THE ENGINEER.
- ASCERTAIN THAT THE LOCATION OF ALL POLES AND PULL BOXES ARE NOT IN CONFLICT WITH EXISTING UTILITIES.
- ROADWAY ILLUMINATION SHALL NOT BE LESS THAN 1.0 AVERAGE FOOT-CANDLES AND NOT GREATER THAN 3.0 AVERAGE TO MINIMUM UNIFORMITY RATIO.

### PROPOSED HIGH MAST LIGHTING SUMMARY

SYMBOL	MANUFACTURER AND CATALOG NUMBER	LUMINAIRES	DESCRIPTION AND REMARKS	VOLTS
	HOLOPHANE CAT. NO. HMLED 14 5K AS G L2-FD2 OR ACCEPTED SUBSTITUTION	72	HIGH MAST CUTOFF OPEN, 560 WATT, LED TYPE V, SYMMETRIC, LOW BEAM ANGLE	240
	HOLOPHANE CAT. NO. HMLED 14 5K AS G L5-FD2 OR ACCEPTED SUBSTITUTION	8	HIGH MAST CUTOFF OPEN, 560 WATT, LED TYPE II, WIDE ASYMMETRIC, LOW BEAM ANGLE	240
	HOLOPHANE CAT. NO. HMLED 14 5K AS G L5-FD2 OR ACCEPTED SUBSTITUTION	8	HIGH MAST CUTOFF ENCLOSED, 560 WATT, LED TYPE V, SYMMETRIC, LOW BEAM ANGLE	240
	HOLOPHANE CAT. NO. HMLED 07 5K AS G L2-FD2 OR ACCEPTED SUBSTITUTION	74	HIGH MAST CUTOFF ENCLOSED, 290 WATT, LED TYPE II, WIDE ASYMMETRIC, HIGH BEAM ANGLE	240

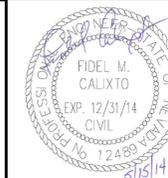
### NOTE

CONTRACTOR SUPPLIED HIGH MAST LIGHTING MANUFACTURERS, HOLOPHANE, COPPER LIGHTING OR ECO GREEN, OR ENGINEER APPROVED EQUAL. HIGH MAST LIGHTS SHALL MEET SPECIFICATIONS AND SHALL BE APPROVED IN ACCORDANCE WITH SECTION 106 OF SPECIAL PROVISIONS

REV NO.	DATE	DESCRIPTION	APPROVED
1	5/14/14	ADDENDUM	



NORTHERN CC-215 BRUCE WOODBURY BELTWAY - DECATUR BLVD TO NORTH 5TH ST  
 LIGHTING POLE SCHEDULE  
 HIGH MAST LIGHTING (2 OF 2)  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NUMBER: CA2058  
 DATE: 10-04-13  
 DESIGNED BY: WV DRAWN BY: WV  
 CHECKED BY: CA APPROVED BY: FC

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SCALE  
 HORIZ: NONE  
 VERT: NONE  
 FIELD BOOK NONE  
 CC W.O. No 2013-003

SHEET NO.  
**L-28**  
 198 OF 252  
 CC Proj No B053318  
 L DWG No 2020